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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/770,295	02/02/2004	Jane Wen Chang	11646-006002	1408

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HOLLAND & KNIGHT LLP
10 ST. JAMES AVENUE
BOSTON, MA 02116

EXAMINER

BETIT, JACOB F

ART UNIT	PAPER NUMBER
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2164

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	12/29/2006	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/770,295	Applicant(s) CHANG ET AL.	
	Examiner Jacob F. Betit	Art Unit 2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____


SAM RIMELL
PRIMARY EXAMINER

DETAILED ACTION

Remarks

1. In response communications filed on 13 October 2006 claims 1, 3, 5-6 are amended per applicant's request. Claims 1-7 are presently pending in the application.

Claim Rejections - 35 USC § 103

2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marchisio (U.S. patent application No. 6,862,710 B1) in view of Gorelik et al. (U.S. patent application publication No. 2001/0047372 A1).

As to claim 1, Marchisio teaches a computer-implemented method of accessing information from a collection of data comprising:

receiving a query (see column 9, lines 10-12, figures 2, 8, and 10);

generating an inverse index of the collection of data (see column 9, lines 24-25, and see figure 3); and

generating results to the query in conjunction with the inverse index by performing a search request of the inverse index (see column 17, lines 1-5).

Marchisio does not distinctly disclose:

- (a) data that is augmented with category hierarchy information; and
- (b) using the results from the search request with a search request of a relational database management system, wherein a match to an item in the inverse index also retrieves

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corresponding category hierarchy information, which is then mapped to items in the relational database management system.

Gorelik et al. teaches (a), see paragraph 0036 and (b), see paragraph 0039 0041.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Marchisto to include the teachings of Gorelik et al. because these teachings would allow the user to map search results from a query that returns XML data into a relational database for storage and later retrieve those results either in XML or relational format.

As to claim 2, Marchisio as modified, teaches wherein generating the inverse index comprises:

storing a canonical non-terminal representation of the data in the inverse index (see Marchisio, column 9, lines 39-42, and see figures 3-4).

As to claim 3, Marchisio as modified, teaches wherein generating the inverse index further comprises:

storing the category hierarchical information generated from the collection of data with the inverse index (see Marchisio, column 17, lines 7-10 and 39-45);

applying a parser and grammar rules to the collection of data to produce a canonical non-terminal representation of the data (see Marchisio, column 9, lines 30-35).

As to claim 4, Marchisio as modified, teaches wherein the generating results comprises:

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applying the parser and the grammar rules to the query to produce a query canonical form (see Marchisio, column 9, lines 30-35); and

matching the query canonical form to the canonical non-terminal representation of the data in the inverse index (see Marchisio, column 8, lines 23-28).

As to claim 5, Marchisio teaches a computer program, residing on a computer-readable medium, comprising instructions for causing a computer to:

receive a query (see column 9, lines 10-12 and see figures 2, 8, and 10);

generate an inverse index of a collection of data (see column 9, lines 24-25 and see figure 3); and

generate results to the query in conjunction with the inverse index by performing a search request of the inverse index (See column 17, lines 1-5).

(a) data that is augmented with category hierarchy information; and

(b) using results from the search request with a search request of a relational database management system, wherein a match to an item in the inverse index also retrieves corresponding category hierarchy information, which is then mapped to items in the relational database management system.

Gorelik et al. teaches (a), see paragraph 0036 and (b), see paragraph 0039 0041.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the

invention was made to have modified ^{MARCHISO}~~Marchisio~~ to include the teachings of Gorelik et al.

because these teachings would allow the user to map search results from a query that returns

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XML data into a relational database for storage and later retrieve those results either in XML or relational format.

As to claim 6, the applicant is directed to the citations made in the rejection of claim 3 above.

As to claim 7, the applicant is directed to the citations made in the rejection of claim 4 above.

Response to Arguments

3. Applicant's arguments with respect the claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob F. Betit whose telephone number is (571) 272-4075. The examiner can normally be reached on Monday through Friday 9:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

jfb
22 December 2006


SAM RIMELL
PRIMARY EXAMINER